

**33rd Annual  
WINTER CONFERENCE  
*In Developmental Psychobiology***

**January 3<sup>rd</sup> – 6<sup>th</sup>, 2018**



**Mauna Lani Resort  
Kohala Coast, Island of Hawaii  
[www.maunalani.com](http://www.maunalani.com)**

**Organizers**

William Fifer, Columbia University & New York State Psychiatric Institute  
Gordon Barr, Children's Hospital of Philadelphia & University of Pennsylvania

*Support for this conference provided by the:  
The Sackler Institute of Columbia University in honor of  
Mortimer D. Sackler, M.D.*

*We appreciate the continued generous support of the Sackler Family*

**Steering Committee**

*Dima Amso  
Mark Ansorge  
Regina Sullivan  
Nim Tottenham*

# **Schedule of Events**

## **Wednesday, January 3, 2018**

**6:30 PM – 8:00 PM**

***Reception: Informal Opportunity to Greet and Meet***

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## **Thursday, January 4, 2018**

**8:30 – 10:30 AM**

**“Developmental Links: Speech, Language, and Executive Functions”**

**William Fifer**, Organizer  
Columbia University

**Patricia Kuhl**  
University of Washington  
“Language and the Baby Brain”

**Janet Werker**  
University of British Columbia  
“Multisensory Foundations of Speech and Language Processing in Infancy”

**Dima Amso**  
Brown University  
“Learning Mechanisms and Language in Infancy”

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**4:30 – 6:45 PM**

The Alan Epstein Symposium

***Moderators: William Fifer and Gordon Barr***  
*Favorite new research and/or methodologies: Five minute presentations*

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***Meeting Banquet 7:00 – 10:00***

**Friday, January 5, 2018**

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**8:30 – 10:30 AM**

**“My Connectome Made Me Do It”**

**Kevin Staley**, Organizer  
Harvard University

**Stephen Smith**  
Allen Institute for Brain Science  
“Studying how Neurons are Connected in the Human Brain”

**Michael Fox**  
Harvard University  
“From Connectomics to Behavior: fMRI and Cortical Stimulation”

**David Edwards**  
King’s College London  
“The Developing Human Connectome”

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**10:45 – 11:15 Sharon Bergquist**, Bill and Melinda Gates Foundation  
“Bill & Melinda Gates Foundation Neurodevelopment Program”

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**4:30 – 6:30 PM**

**“Roots of Neurobehavioral Disorders”**

**Nim Tottenham**, Organizer  
Columbia University

**Daniel Geschwind**  
UCLA  
“Convergence in Autism Spectrum Disorder: How Genetics and Genomics Can Inform our Understanding of Autism’s Neurobiological Origins”

**Adriana Dimartino**  
NYU  
“Autism as a Developmental Connectopathy”

**Staci Bilbo**  
Harvard University  
“Brain – Immune Interactions in Neurodevelopment: Order and Disorder”

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***Dinner on your own***

**Saturday, January 6, 2018**

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**8:30 – 10:30 AM**

**“Challenges and Opportunities of Big Data  
in Psychobiological Research”**

**Gordon Barr** Organizer  
Children’s Hospital of Philadelphia/Univ. Pennsylvania

**Deanna Barch**  
Washington University  
“Hypotheses Driven Research with Big Data: Examples from  
the Adolescent Brain and Cognitive Development Study”

**Jed Elison**  
University of Minnesota  
“Big Data in Developmental Science: Two Applications and One Opportunity”

**Damien Fair**  
Oregon Health and Science University  
“Opportunities to Examine Population Heterogeneity Using Big Data:  
Examples from the Adolescent and Cognitive Development Study”

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**4:30 – 6:30 PM**

**“Frontiers of Learning Spanning Development”**

**Dima Amso and Catharine Rankin**, Organizers  
Brown University and University of British Columbia

**Paul Frankland**  
The Hospital for Sick Kids  
“Hippocampal Neurogenesis, Forgetting and Infantile Amnesia”

**Simona Ghetti**  
University of California-Davis  
“Hippocampal Contributions to the Development of Episodic Memory”

**Jamie Edgin**  
University of Arizona  
“Memory Development and the Atypically Developing Hippocampus  
in Intellectual Disability”

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***Farewell Gathering: 6:45 – 8:00 PM***